

Kai mō Aotearoa Food Science meeting

Sunday 27 August – Monday 28 August, 2023

Rydges Hotel, Queenstown, New Zealand

Sponsored by: High Value Nutrition National Science Challenge and Comvita



Sunday 27th August

Time	Details		
08.30 – 08.45	QRW Mihi Whakatau		Queenstown Rm
Kaiwhakataki: Haunui Royal Hauraki, Ngāti Raukawa ki te Tonga, Ngā Puhī			
09.00 – 09.05	Karakia		Wakatipu Rm
09.05 - 09.15	Introduction		Wakatipu Rm
Session 1			
Overview and Māori perspectives			Wakatipu Rm
09.15 - 09.45	F1: Biodiversity and Tiriti	Nick Roskruge Te Atiawa, Ngāti Tama	Massey
09.45 – 10.00	F2: Working at the interface of mātauranga Māori and science	Jane Mullaney Ngati Porou, Ngāti Raukawa <i>Sponsored by GenScript Biotech</i>	AgResearch
10.00 -10.15	F3: Indigenous ethics in research: the protection and correct treatment of Taonga species	Anna Edwards, (Rongowhakaata)	AgResearch
10.15 – 10.30	F4: From Kānuka and beyond: Ngāti Kuia descendants of the K7 Ahuwhenua trust approach to Mātauranga Maori and realising the potential of the whenua.	Vicky Thorn, Ngati Kuia, Ngāti Apa Ki Te Ra To, Rangitane, Ngāti Koata and Ngāi Tahu	K7 Ahu Whenua
10.30 – 11.00	Morning break		Trade Area
Session 2			
Plant biodiversity and natural products			Wakatipu Rm
11.00 – 11.30	F5: Aotearoa New Zealand Natural Products Chemistry and Biodiversity – an overview	Nigel Perry <i>Sponsored by Mediscope International Limited</i>	UoO/PFR
11.30 – 12.00	F6: Kawakawa (<i>Piper excelsum</i>) research as an exemplar for	Meika Foster Te Ātiawa; Ngāti Mutunga	UoA

	understanding, protecting and enhancing the potential of taonga plants		
12.00 – 12.30	F7: Mānuka and Kānuka Leaf Bioactive Natural Products	John van Klink	PFR/PFR
12.30 – 13.30	Lunch		Trade Area
13.30 – 14.00	F8: Tracing the diversity and phylogenetic inter-relationships of kawakawa using a transcriptome-based approach	Nathan Kenny Te Ātiawa, Ngāi Tahu <i>Sponsored by Decode Science</i>	UoO
14.00 - 14.30	F9: Mātauranga on kawakawa to identify insect herbivores with beneficial bioactive activity	Chrystal Te Ohore O'Connor Ngāti Hauā, Ngāti Pāoa	AgResearch
14.30 – 15.00	F10: Bioavailability and metabolism of kawakawa leaf chemicals in humans	Ramya Jayaprakash	UoA
15.00-15.30	Afternoon break		Trade Area
15.30 -16.00	F11: Kawakawa tea intake and inflammation: An integrative mRNA-miRNA analysis	Farha Ramzan	UoA
16.00-16.30	F12: <i>In silico</i> tools for bioprospecting of bioactive compounds from indigenous NZ flora	Dominic Agyei	UoO
16.30 – 17.00	F13: The chemical space of horopito (<i>Pseudowintera colorata</i>)	Chris Pook	UoA
	Karakia and close		
17.00 – 18.30	Evening Social Function <i>Sponsored by Decode Science</i>		Trade Area
Monday 28th August			
Time	Details		
8.30-8.35	Karakia		
Session 3	Honey		Wakatipu Rm
08.35 – 08.55	F14: What's so sweet about Mānuka honey?	Troy Merry	Comvita
08.55 – 09.20	F15: Mānuka floral nectar chemistry	Mike Clearwater	UoW
09.20 – 9.45	F16: Quantifying the ecological changes associated with the conversion of pasture to mānuka farms	Georgia Woodall	Comvita
09.45 – 10.15	F17: Lepteridine™ from mānuka honey: utility as an authenticity marker and bioactive properties.	Kerry Loomes	UoA

10.15 – 10.45	F18: Study of mānuka honey for Digestive Health (SOOTHE)	Nicole Roy	UoO
10.45 – 11.15	Morning Break		Trade Area
11.15 – 11.45	F19: A Sweet Solution to a Sticky Problem? Mānuka Honey for treating <i>Mycobacterium abscessus</i> infection	Jonathan Cox	University of Aston
11.45 – 12.15	F20: Chemical analysis of New Zealand honeydew honey and its potential application	Rothman Kam	AUT
12.15 – 12.30	Discussion		
12.30 – 13.30	Lunch		Trade Area
Session 4	<u>Green Shell Mussels and health</u>		Wakatipu Rm
13.30 – 14.00	F21: Mussel industry and bioactives: an overview	Matt Miller	Cawthron
14.00 – 14.25	F22: Real-Time Composition of Wet Marine Biomass: Toward Industry 4.0	Daniel Killeen	PFR
14.25 – 14.50	F23: Effects of Greenshell mussel intervention on biomarkers of cartilage metabolism: preclinical and human clinical intervention observations.	Marlena Kruger	Massey
14.50 - 15.15	F24: Effects of Greenshell mussel on signs and symptoms of Knee Osteoarthritis	Pamela von Hurst	Massey
15.15 - 15.40	F25: Mussels for Muscles: Investigating the effects of Greenshell mussel supplementation on improving muscle recovery following exercise-induced muscle damage in untrained adult males	Dominic Lomiwes	PFR
	Karakia and close		
15.45 – 16.00	Afternoon break		Trade Area
16.00 – 17.30	<u>Joint session with AWCBR and Microbiomes</u>		Queenstown Rm
16.00 – 16.15	The effect of fruits and vegetables on children’s mental and cognitive health: A systematic review of intervention studies and perspective for future research	Nicola Gillies	UoA
16.15 – 16.30	Parkinson’s disease and nutrition: what is the link?	Fiona Lithander	UoA
16.30 – 16.45	Linking the Gut Microbiome to Neurocognitive Development in	Theo Portlock	UoA

	Bangladesh Malnourished Infants		
16.45 – 17.00	The effect of milk fat globule membrane supplementation on cognitive and psychological outcomes in adults”	Rebecca Slykerman	UoA
17.00 – 17.15	Effects of intermittent access to high-fat, high-sugar diets on behaviour and gut microbiota”	Mike Kendig	University of Technology, Sydney
18.00 – 19.00	<p style="text-align: center;">Nobel Laureate Lecture – Professor David Julius University of California San Francisco Gut feelings: Probing mechanisms of visceral pain <i>Sponsored by University of Otago</i></p>		Queenstown Rm
19.00 – 21.00	<p style="text-align: center;">Fashionomics and Evening Social Function <i>Sponsored by Thermo Fisher Scientific</i></p>		Trade Area